



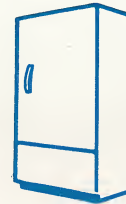
NEW PRODUCTS BULLETIN

IF IT'S NEW . . . IF IT'S NEWS . . . IT'S FROM ELCO

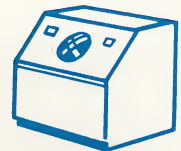
SERIES 6501 **elco** apcon^{*†} APPLIANCE CONNECTOR



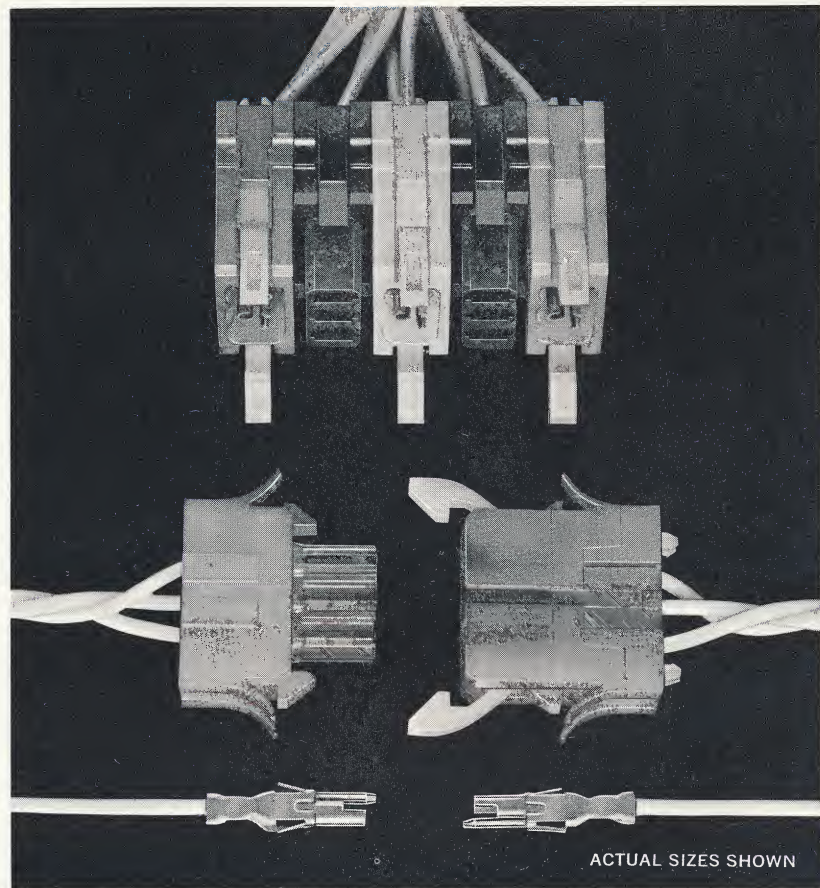
Automotive Wiring



Refrigeration



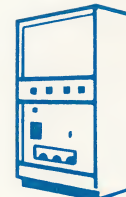
Home Appliances



Computers



Business Machines



Vending Machines



Televisions

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 ELCO PACIFIC, 2200 Centinela Ave., W. Los Angeles, Calif. 90064, 213-478-0671, TWX 910-342-6490
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 Joint Ventures and Licensees Throughout the World.

SERIES 6501 **elco** apcon^{*†} APPLIANCE CONNECTOR

The ELCO APCON^{*†} Connector is a uniquely designed connector ideally suited for vending machines, appliances, automotive wiring, business machines, duplicating equipment, test equipment, and other related equipment having internal power connection requirements.

Use of the APCON^{*†} connection system requires stocking only three basic parts; plug insulators, receptacle insulators, and hermaphroditic contacts. The only other component in the entire system is the locking insert used where positive locking is necessary.

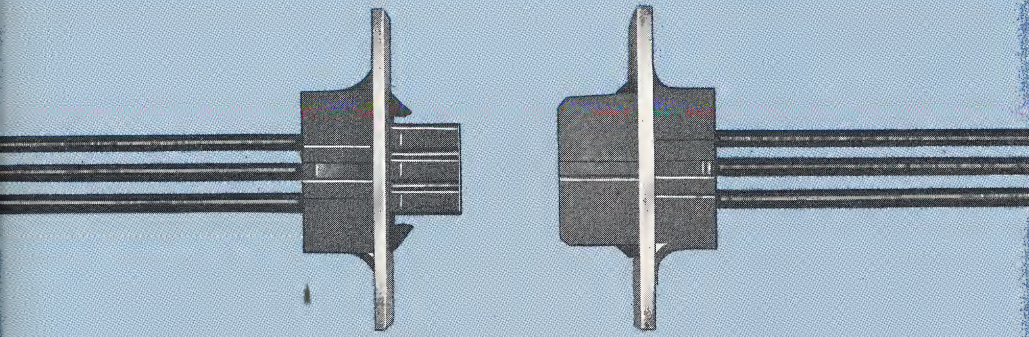
The one-piece molded, nylon insulators are made in a three-contact size only. However, a dove-tail feature on the sides of both plug and receptacle halves permit stacking adjacent insulators in various combinations to produce a connection system of any practical size. This dove-tail feature not only permits adjacent stacking but locks the insulator halves together in three planes without hardware. Stacking the plugs and receptacles in various combinations gives the user the added advantage of polarizing the system at his own discretion. The mating areas of both plug and receptacle insulators are specifically shaped to assist in proper alignment of the connector halves during engagement and to seal out moisture. Contact positions are numbered on the wire side of each insulator to facilitate lead identification. The nylon insulators are supplied natural and also in colors black, blue or red. Other colors may be supplied upon request.

The nylon locking insert easily clips into place in either the plug or receptacle. When the connectors are mated, this insert engages the opposite lock tongue, positively locking the insulators together. The mated connectors can easily be unlocked by hand, and the insert can be withdrawn by squeezing the end tines.

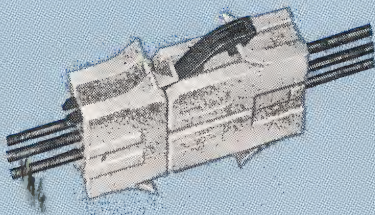
Tapered mounting ears molded on both ends of each connector half facilitate panel mounting. These mounting ears have a cantilever action which tolerates variations in panel thickness from 1/32" to 3/32". Either connector^h half can be snapped into panel cutouts by hand without mounting hardware. For positive retention in the panel, locking inserts should be used in the panel-mounted connector half. Where a multiple stack of connectors is panel-mounted, locking inserts are required at the ends of the multiple unit rather than on each individual connector half.

The hermaphroditic contacts themselves are made of brass and can carry a maximum of 20 amperes. When contacts are mated, there is positive, multiple contact along four independent areas. The extended male portion of the contact tends to align them as they mate.

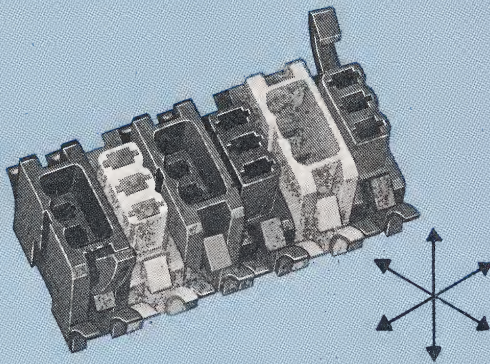
It can readily be seen that with the versatility offered, the APCON^{*†} Connector can resolve most power connection requirements in today's commercial equipment.



THEY SNAP IN PLACE
without the use of hardware



THEY LOCK together
securely against vibration and shock

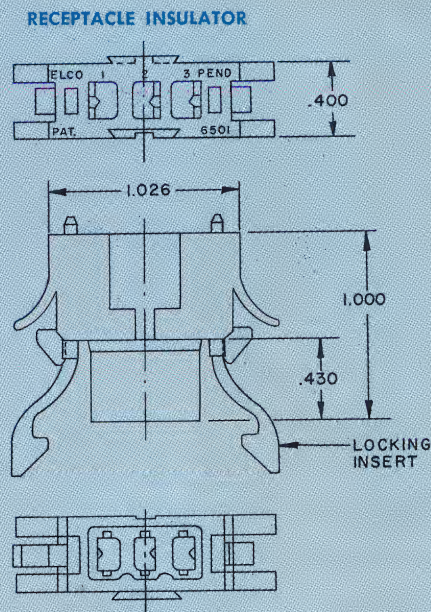
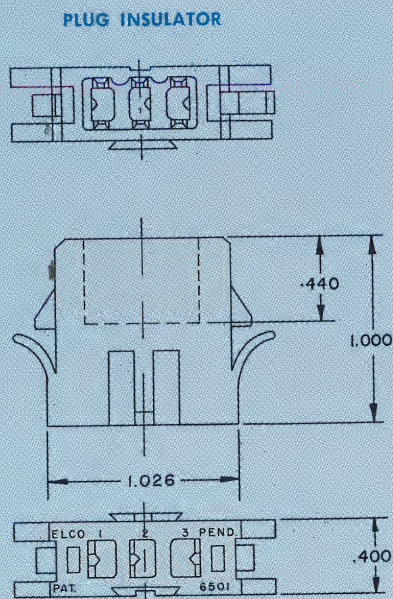


THEY'RE STACKABLE and lock
together in 3 planes without hardware



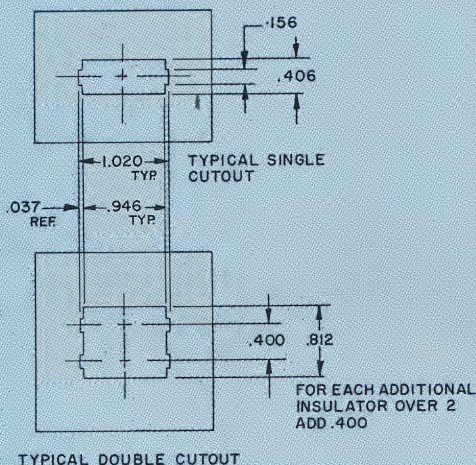
HEMAPHRODITIC CONTACTS
provide 4 independent points of contact

OVERALL DIMENSIONS

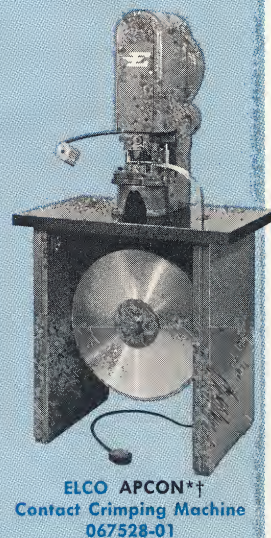


DRAWINGS SHOWN ARE FOR REFERENCE ONLY. FOR PRECISE CALCULATIONS, ASSEMBLY DRAWINGS ARE AVAILABLE THROUGH ELCO SALES.

MOUNTING DATA



TOOLS



ORDERING CODE FOR SERIES 6501

- PRODUCT LINE: 00 - 6501 - 003 - 000 - 001
- SERIES: _____
- NUMBER OF CONTACTS: _____
- CONTACT CODE NUMBER: _____
000—See note #1
- VARIATIONS: _____

001—Receptacle, Natural	005—Receptacle, Black
002—Plug, Natural	006—Plug, Black
003—Receptacle, Red	007—Receptacle, Blue
004—Plug, Red	008—Plug, Blue

NOTES:

- Code #000 specifies wire crimp contacts which are purchased separately under the following part numbers.
50-6501.0312—Supplied loose
50-6501.0322—Supplied on reels, 1800 per reel
- Locking inserts are interchangeable in plug and receptacle and are ordered separately by part number 50-6501.3418.

SPECIFICATIONS FOR SERIES 6501

- WIRE SIZE: AWG #14 to AWG #18
 CURRENT RATING: 20 amperes, maximum
 CONTACT RESISTANCE: 0.002 ohm
 DIELECTRIC WITHSTANDING VOLTAGE: 3500 volts, rms
 INSULATOR MATERIAL: Nylon.
 CONTACT MATERIAL: Brass; Plating may be supplied upon request.
 PANEL THICKNESS: 1/32" to 3/32".

ELCO APCON^{††} Connectors are covered under the components recognition program of Underwriters' Laboratories, Inc.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE FOR PRODUCT IMPROVEMENT.

WARRANTY: ELCO warrants to the first user that it will correct any proven defects in workmanship or material of its products, without charge, by repair or replacement f.o.b. factory, during the first ninety days after delivery, provided same are used in accordance with good engineering practices. Components of other manufacturers are not warranted. ELCO assumes no liability of any kind for consequential or special damages. This warranty is in lieu of all other expressed or implied warranties and constitutes ELCO's sole obligation in respect to its products.